

Title (en)

NON-UNIFORM OPTIMAL SURVEY DESIGN PRINCIPLES

Title (de)

UNGLEICHFÖRMIGE PRINZIPIEN FÜR OPTIMALE UMFRAGEGESTALTUNG

Title (fr)

PRINCIPES DE CONCEPTION DE SURVEILLANCE OPTIMALE NON UNIFORME

Publication

**EP 3625593 A1 20200325 (EN)**

Application

**EP 17909980 A 20170706**

Priority

- US 201762506859 P 20170516
- US 201715641916 A 20170705
- US 2017040796 W 20170706

Abstract (en)

[origin: US2018335536A1] Method for acquiring seismic data is described. The method includes determining a non-uniform optimal sampling design that includes a compressive sensing sampling grid. Placing a plurality of source lines or receiver lines at a non-uniform optimal line interval. Placing a plurality of receivers or nodes at a non-uniform optimal receiver interval. Towing a plurality of streamers attached to a vessel, wherein the plurality of streamers is spaced apart at non-uniform optimal intervals based on the compressive sensing sampling grid. Firing a plurality of shots from one or more seismic sources at non-uniform optimal shot intervals. Acquiring seismic data via the plurality of receivers or nodes.

IPC 8 full level

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CPC (source: EP US)

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